

## Prof. Özgen AÇIKGÖZ

### Personal Information

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### International Researcher IDs

ScholarID: gN6bmyUAAAAJ

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Publons / Web Of Science ResearcherID: Q-8108-2019

ScopusID: 55682489100

Yoksis Researcher ID: 174860

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2007 - 2013

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2005 - 2007

Undergraduate, Bursa Uludağ University, Faculty Of Engineering-Architecture, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, DUVARLARINDAN ISITILAN VE SOĞUTULAN KAPALI HACİMLERDE DOĞAL TAŞINIMIN İNCELENMESİ, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Makine Mühendisliği Bölümü, 2013

Postgraduate, BİR BİRLEŞİK ENERJİ SİSTEMİNDE GÜNEŞ ENERJİSİ DESTEĞİNİN ARAŞTIRILMASI, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Makine Mühendisliği , 2007

### Research Areas

Mechanical Engineering, Energy, Thermodynamics, Heat and Mass Transfer, Heating, Refrigerating and Air Conditioning, Computational fluid dynamics, Engineering and Technology

### Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2024 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2018 - Continues

## Academic and Administrative Experience

Rectorate Commissioner, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2020 - Continues

Internship Committee Member, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2018 - Continues

Erasmus Program Department Coordinator, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2016 - Continues

## Courses

### Doctorate

İleri Termodinamik, Doctorate, 2022 - 2023

### Postgraduate

Graduation Thesis, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Isı deęiřtirici tasarımı, Postgraduate, 2019 - 2020

### Undergraduate

Fluid Mechanics 1, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Termodinamik 1, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Heat Transfer 1, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Proje 1, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Graduation Thesis, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Thermodynamics 2, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Heat Transfer in Bioengineering, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Project 2, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Thermodynamics, Undergraduate, 2019 - 2020

BUILDING AUTOMATION AND ENERGY MANAGEMENT, Undergraduate, 2017 - 2018

Bilgisayar Destekli Teknik Resim, Undergraduate, 2013 - 2014

## Supervised Theses

Açıkğöz Ö., Sürtünme Karıştırma Kaynağı ile Üretilen Sıvı Kanallarında Tolerans Açıklığının Isı Transferi ve Akış Karakteristiklerine Etkisinin Sayısal Olarak İncelenmesi, Postgraduate, A.ŞAHİN(Student), 2022

Dalkılıç A. S., Açıkğöz Ö., BİR YÜZEYİNE RADYANT SOĞUTMA UYGULANAN KAPALI BİR HACİMDE CEBRİ

HAVALANDIRMANIN ISI GEÇİŞİ KARAKTERİSTİKLERİNE ETKİSİNİN İNCELENMESİ , Doctorate, M.CAMCI(Student), 2022

Açıkğöz Ö., Yüzeylerinden soğutulan bir yaşam mahalinde gerçekleşen farklı termal koşullarda ışınlım ve taşınımın sayısal olarak incelenmesi, Postgraduate, C.SEZER(Student), 2020

Açıkğöz Ö., Çatı tipi klimalarda kullanılan soğutucu akışkanların performans ve çevresel etkileri, Postgraduate, K.SÜERDEM(Student), 2020

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi,

December, 2023

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, April, 2022

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, October, 2019

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, April, 2019

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, December, 2018

## Taught Courses And Trainings

Açıköz Ö., BİNA ENERJİ YÖNETİCİSİ EĞİTİMİ, 2011 - 2011

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comparison of heating and cooling systems having radiant and ventilation systems regarding thermal comfort**  
Rahmanparast A., Bacak A., Camci M., Karakoyun Y., Acikgoz Ö., Dalkılıç A. S.  
Journal of Thermal Analysis and Calorimetry, vol.149, no.23, pp.13551-13579, 2024 (SCI-Expanded)
- II. **An investigation over the influence of a radiant thermal mat's dimensions on its local and average convective and radiative heat transfer characteristics**  
Açıköz Ö.  
HEAT TRANSFER RESEARCH, vol.1, no.1, pp.1-59, 2024 (SCI-Expanded)
- III. **Advances in Triple Tube Heat Exchangers Regarding Heat Transfer Characteristics of Single and Two-Phase Flows in Comparison to Double Tube Heat Exchangers Part 1**  
Akgul D., Mercan H., Acikgoz O., Dalkilic A. S.  
KERNTECHNIK, vol.88, no.6, pp.1-14, 2023 (SCI-Expanded)
- IV. **Advances in triple tube heat exchangers regarding heat transfer characteristics of single and two-phase flows in comparison to double tube heat exchangers part 2**  
Akgul D., Mercan H., Acikgoz O., Dalkilic A. S.  
KERNTECHNIK, vol.88, no.6, pp.1-14, 2023 (SCI-Expanded)
- V. **Experimental and numerical investigations on the heat transfer characteristics of a real-sized radiant cooled wall system supported by machine learning**  
Çolak A. B., Acikgoz Ö., Karakoyun Y., Koca A., Dalkılıç A. S.  
International Journal of Thermal Sciences, vol.191, 2023 (SCI-Expanded)
- VI. **Case studies on local mixed convection heat transfer coefficients along a radiant heated wall subjected to displacement ventilation**  
Camci M., Karakoyun Y., Açıköz Ö., Dalkılıç A. S.  
Journal of Thermal Analysis and Calorimetry, vol.148, no.15, pp.7845-7854, 2023 (SCI-Expanded)
- VII. **Performance of refrigerants employed in rooftop air-conditioners**  
Suerdem K., Taner T., Açıköz Ö., Dalkilic A. S., Panchal H.  
JOURNAL OF BUILDING ENGINEERING, vol.70, pp.1-19, 2023 (SCI-Expanded)
- VIII. **Prediction of nanofluid flows' optimum velocity in finned tube-in-tube heat exchangers using artificial neural network**  
Çolak A. B., Mercan H., Açıköz Ö., Dalkılıç A. S., Wongwises S.  
Kerntechnik, vol.88, no.1, pp.100-113, 2023 (SCI-Expanded)

- IX. **An experimental investigation on the radiant cooled wall's heat transfer characteristics in a fully conditioned real-sized living environment**  
Koca A., Karakoyun Y., Acikgoz Ö., Dogu M., Dalkilic A. S.  
Energy and Buildings, vol.277, 2022 (SCI-Expanded)
- X. **Experimental investigation of mixed and forced convection generated by displacement ventilation with radiant wall heating**  
Camci M., Karakoyun Y., Acikgoz Ö., Dalkilic A. S.  
International Communications in Heat and Mass Transfer, vol.139, 2022 (SCI-Expanded)
- XI. **Prediction of heat transfer coefficient, pressure drop, and overall cost of double-pipe heat exchangers using the artificial neural network**  
Çolak A. B., Açıkğöz Ö., Mercan H., Dalkılıç A. S., Wongwises S.  
CASE STUDIES IN THERMAL ENGINEERING, vol.39, no.November, pp.1-30, 2022 (SCI-Expanded)
- XII. **Machine learning approach to predict the heat transfer coefficients pertaining to a radiant cooling system coupled with mixed and forced convection**  
Açıkğöz Ö., Çolak A. B., Camcı M., Karakoyun Y., Dalkılıç A. S.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.178, pp.1-14, 2022 (SCI-Expanded)
- XIII. **An experimental study on the heat transfer characteristics over a radiant cooled wall exposed to mixed and forced convection driven by displacement ventilation**  
Camci M., Karakoyun Y., Açıkğöz Ö., Dalkilic A. S.  
International Communications in Heat and Mass Transfer, vol.135, 2022 (SCI-Expanded)
- XIV. **CFD analyses on the thermal comfort conditions of a cooled room: a case study**  
Ozsagiroglu S., Camcı M., Taner T., Açıkğöz Ö., Dalkılıç A. S., Wongwises S.  
Journal of Thermal Analysis and Calorimetry, vol.147, no.3, pp.2615-2639, 2022 (SCI-Expanded)
- XV. **A Numerical Study Aimed at Finding Optimal Artificial Neural Network Model Covering Experimentally Obtained Heat Transfer Characteristics of Hydronic Underfloor Radiant Heating**  
Çolak A. B., Karakoyun Y., Açıkğöz Ö., Yumurtacı Z., Dalkılıç A. S.  
Heat Transfer Research, vol.53, pp.51-71, 2022 (SCI-Expanded)
- XVI. **A NUMERICAL STUDY AIMED AT FINDING OPTIMAL ARTIFICIAL NEURAL NETWORK MODEL COVERING EXPERIMENTALLY OBTAINED HEAT TRANSFER CHARACTERISTICS OF HYDRONIC UNDERFLOOR RADIANT HEATING SYSTEMS RUNNING VARIOUS NANOFLUIDS**  
Colak A. B., Karakoyun Y., AÇIKGÖZ Ö., YUMURTACI Z., DALKILIÇ A. S.  
HEAT TRANSFER RESEARCH, vol.53, no.5, pp.51-71, 2022 (SCI-Expanded)
- XVII. **Heat transfer and pressure drop characteristics of two phase flow in helical coils**  
Onal B. S., Kırkar Ş. M., Akgul D., Celen A., Açıkğöz Ö., Dalkılıç A. S., Kazi S. N., Wongwises S.  
Thermal Science and Engineering Progress, vol.27, 2022 (SCI-Expanded)
- XVIII. **An experimental investigation on the effect of use of nanofluids in radiant floor heating systems**  
Karakoyun Y., Açıkğöz Ö., Küçükyıldırım B. O., Yumurtacı Z., Dalkılıç A. S.  
Energy and Buildings, vol.252, 2021 (SCI-Expanded)
- XIX. **A comparative study on convective heat transfer in indoor applications**  
Camcı M., Karakoyun Y., Açıkğöz Ö., Dalkılıç A. S.  
Energy and Buildings, vol.242, 2021 (SCI-Expanded)
- XX. **A comprehensive approach to analyze the discrepancies in heat transfer characteristics pertaining to radiant ceiling heating system**  
Karakoyun Y., AÇIKGÖZ Ö., ÇEBİ A., Koca A., Çetin G., DALKILIÇ A. S., Wongwises S.  
Applied Thermal Engineering, vol.187, 2021 (SCI-Expanded)
- XXI. **An experimental investigation on heat transfer characteristics arising over an underfloor cooling system exposed to different radiant heating loads through walls**  
Karakoyun Y., Açıkğöz Ö., Yumurtacı Z., Dalkılıç A. S.  
APPLIED THERMAL ENGINEERING, vol.164, 2020 (SCI-Expanded)
- XXII. **Single phase flow of nanofluid including graphite and water in a microchannel**  
Yıldız O., Açıkğöz Ö., Yıldız G., Bayrak M., Dalkılıç A. S., Wongwises S.

- Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.56, no.1, pp.1-24, 2020 (SCI-Expanded)
- XXIII. **Realistic experimental heat transfer characteristics of radiant floor heating using sidewalls as heat sinks**  
Açıkgöz Ö., Karakoyun Y., Yumurtacı Z., Dukhan N., Dalkılıç A. S.  
ENERGY AND BUILDINGS, vol.183, pp.515-526, 2019 (SCI-Expanded)
- XXIV. **A COMPUTATIONAL STUDY FOCUSED ON REVEALING THE RELATION BETWEEN CONVECTIVE AND RADIATIVE HEAT TRANSFER FROM A RADIANT HEATED WALL**  
Açıkgöz Ö.  
HEAT TRANSFER RESEARCH, vol.50, no.15, pp.1437-1455, 2019 (SCI-Expanded)
- XXV. **Experimental investigation on the viscosity characteristics of water based SiO<sub>2</sub>-graphite hybrid nanofluids**  
DALKILIÇ A. S., AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O., Eker A., Lüleci B., Jumpholkul C., Wongwises S.  
International Communications in Heat and Mass Transfer, vol.97, pp.30-38, 2018 (SCI-Expanded)
- XXVI. **An experimental investigation devoted to determine heat transfer characteristics in a radiant ceiling heating system**  
Koca A., Açıkgöz Ö., Çebi A., Çetin G., Dalkılıç A. S., Wongwises S.  
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.54, pp.363-375, 2018 (SCI-Expanded)
- XXVII. **Prediction of frictional pressure drop of R134a during condensation inside smooth and corrugated tubes**  
DALKILIÇ A. S., Çebi A., AÇIKGÖZ Ö., WONGWISES S.  
International Communications in Heat and Mass Transfer, vol.88, pp.183-193, 2017 (SCI-Expanded)
- XXVIII. **A novel ANN-based approach to estimate heat transfer coefficients in radiant wall heating systems**  
Açıkgöz Ö., Cebi A., Dalkılıç A. S., Koca A., Cetin G., Gemici Z., Wongwises S.  
ENERGY AND BUILDINGS, vol.144, pp.401-415, 2017 (SCI-Expanded)
- XXIX. **Determination of Optimum Velocity for Various Nanofluids Flowing in a Double-Pipe Heat Exchanger**  
DALKILIÇ A. S., AÇIKGÖZ Ö., GÜMÜŞ M. A., WONGWISES S.  
HEAT TRANSFER ENGINEERING, vol.38, no.1, pp.11-25, 2017 (SCI-Expanded)
- XXX. **Fundamental basis and implementation of shell and tube heat exchanger project design: condenser and evaporator study**  
DALKILIÇ A. S., AÇIKGÖZ Ö., TAPAN Ş., WONGWISES S.  
HEAT AND MASS TRANSFER, vol.52, no.12, pp.2863-2878, 2016 (SCI-Expanded)
- XXXI. **Prediction of graphite nanofluids' dynamic viscosity by means of artificial neural networks**  
Dalkılıç A. S., Cebi A., Celen A., Yıldız O., Açıkgöz Ö., Jumpholkul C., Bayrak M., Surana K., Wongwises S.  
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.73, pp.33-42, 2016 (SCI-Expanded)
- XXXII. **Experimental and numerical investigation of the correlation between radiative and convective heat-transfer coefficients at the cooled wall of a real-sized room**  
AÇIKGÖZ Ö., Kincay O.  
ENERGY AND BUILDINGS, vol.108, pp.257-266, 2015 (SCI-Expanded)
- XXXIII. **A Review of Recent Empirical Correlations for the Calculation of Determination of R134a's Convective Heat Transfer Coefficient in Vertical Condensers**  
DALKILIÇ A. S., AKTAŞ M. S., AÇIKGÖZ Ö., WONGWISES S.  
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.69, pp.41-50, 2015 (SCI-Expanded)
- XXXIV. **A novel evaluation regarding the influence of surface emissivity on radiative and total heat transfer coefficients in radiant heating systems by means of theoretical and numerical methods**  
Acikgoz O.  
ENERGY AND BUILDINGS, vol.102, pp.105-116, 2015 (SCI-Expanded)
- XXXV. **INVESTIGATION ON THE RELATION BETWEEN EXERGY LOSS AND NTU**  
KINCA Y., Celik M. S., Acikgoz O., Dalkilic A. S., Wongwises S.  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.153-164, 2015 (SCI-Expanded)
- XXXVI. **Numerical Determination of Effects of Wall Temperatures on Nusselt Number and Convective Heat**

## **Transfer Coefficient in Real-Size Rooms**

AÇIKGÖZ Ö., Kincay O.

ADVANCES IN MECHANICAL ENGINEERING, 2013 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **COMPREHENSIVE REVIEW ON THE FLOW CHARACTERISTICS OF TWO-PHASE FLOWS IN INCLINED TUBES**  
Karademir H., Ozcelik G., Açıkğöz Ö., Dalkılıç A. S., İnce İ. T., Meyer J., Wongwises S.  
JOURNAL OF THERMAL ENGINEERING, vol.7, no.3, pp.483-549, 2021 (ESCI)
- II. **An experimental investigation on radiant floor heating systems at various operating conditions**  
Karakoyun Y., AÇIKGÖZ Ö., DALKILIÇ A. S., YUMURTACI Z.  
Journal of Thermal Engineering, vol.6, no.5, pp.751-771, 2020 (ESCI)
- III. **DETERMINATION OF CONVECTIVE, RADIATIVE, AND TOTAL HEAT TRANSFER CHARACTERISTICS OVER A RADIANT HEATED CEILING: A COMPUTATIONAL APPROACH**  
Açıkğöz Ö.  
JOURNAL OF THERMAL ENGINEERING, vol.5, no.5, pp.372-384, 2019 (ESCI)
- IV. **DETERMINATION OF SOME DOMESTIC RADIATORS' THERMAL CAPACITY NUMERICALLY**  
Dalkılıç A. S., Açıkğöz Ö., Ekici E., Wongwises S.  
JOURNAL OF THERMAL ENGINEERING, vol.5, pp.251-270, 2019 (ESCI)
- V. **Dikey Tip Toprak Kaynaklı Isı Pompası Destekli Duvardan Isıtma Sisteminin Enerjistik Performans İncelenmesi**  
Akbulut U., Açıkğöz Ö., Kincay O.  
Tesisat Mühendisliği, no.146, pp.87-93, 2015 (Peer-Reviewed Journal)
- VI. **Duvarın Isıtılabilir Yapılarda Dış Cephe Kaplamasının Isıl Performansa Etkisi**  
Kincay O., Akbulut U., Yörü Y., Açıkğöz Ö., Başkal A.  
Tesisat Mühendisliği, vol.119, pp.11-18, 2010 (Peer-Reviewed Journal)
- VII. **COMBINING TREND OF RENEWABLE ENERGY SOURCES**  
Kincay O., Utlu Z., Ağustos H., Akbulut U., Açıkğöz Ö.  
Sigma Journal of Engineering and Natural Sciences, vol.27, pp.60-82, 2009 (ESCI)
- VIII. **Dikey Tip Toprak Kaynaklı Isı Pompası Kullanımında Güneş Enerji Desteğinin Araştırılması**  
Ağustos H., Açıkğöz Ö., Akbulut U., Kincay O.  
Tesisat Mühendisliği, vol.106, pp.47-53, 2008 (Peer-Reviewed Journal)
- IX. **Güneş Enerjisi ve Toprak Kaynaklı Isı Pompası Sistemlerinin Konvansiyonel Sistemlerle Ekonomik Olarak Karşılaştırılması**  
Kincay O., Akbulut U., Ağustos H., Açıkğöz Ö., Çetin Ö.  
Tesisat Mühendisliği, vol.106, pp.5-12, 2008 (Peer-Reviewed Journal)

## **Books**

- I. **Exergetic analysis of a vertical ground-source heat pump system with wall heating/cooling**  
Akbulut U., Açıkğöz Ö., Kincay O., Karakoç T. H.  
in: Progress in Exergy, Energy, and the Environment, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer, London/Berlin, Lausanne, pp.305-312, 2014

## **Papers Published in Refereed Scientific Meetings**

- I. **TECHNICALITY OF THE EXPERIMENTAL SETUP FOR THE INVESTIGATION OF RADIANT**

## HEATING/COOLING SYSTEMS

Camcı M., Karakoyun Y., Açıkğöz Ö., Dalkılıç A. S.

6th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 20 - 22 October 2021, pp.1422-1431

### II. A short review of internal mixed convective heat transfer at building applications

Camcı M., Açıkğöz Ö., Dalkılıç A. S.

5th international conference on advances in mechanical engineering İstanbul 2019, İstanbul, Turkey, 17 - 19 December 2019, pp.1386-1393

### III. BRIEF LITERATURE REVIEW ON THE SINGLE-PHASE FLOW HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS

Akgül D., KIRKAR Ş. M., ÖNAL B. S., CELEN A., AÇIKGÖZ Ö., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

### IV. BRIEF LITERATURE REVIEW ON THE BOILING HEAT TRANSFER CHARACTERISTICS OF INCLINED TUBES

Karademir H., AÇIKGÖZ Ö., CELEN A., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

### V. BRIEF LITERATURE REVIEW ON THE CONDENSATION HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS

ÖNAL B. S., KIRKAR Ş. M., Akgül D., CELEN A., AÇIKGÖZ Ö., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

### VI. An Experimental Study on the Heat Transfer Characteristics of a Radiant Cooled Floor

Karakoyun Y., Acikgoz O., Yumurtaci Z., Selim Dalkilic A., Acar B.

The 2nd International Conference on Applied Research in Engineering, Science and Technology, Brussels, Belgium, 5 - 07 July 2019, pp.1-16

### VII. DETERMINATION OF THE VISCOSITY CHARACTERISTICS OF WATER BASED $\text{SiO}_2$ -GRAPHITE HYBRID NANOFLUIDS

Dalkılıç A. S., Açıkğöz Ö., Küçükıldırım B. O., Akdoğan Eker A.

4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018, İstanbul, Turkey, 19 - 21 December 2018, vol.1, pp.1844-1855

### VIII. An Experimental Investigation on Heat Transfer Characteristics over an Underfloor Heating System

Açıkğöz Ö., Karakoyun Y., Dalkılıç A. S.

4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018, İstanbul, Turkey, 19 - 21 December 2018, vol.1, pp.1831-1843

### IX. Experiments on Determination of Heat Transfer Coefficients for a Radiant Heated Enclosure

Karakoyun Y., Dalkılıç A. S., Yumurtacı Z., Açıkğöz Ö., Demirtaş S.

INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM, Batman, Turkey, 3 - 05 May 2018, vol.1, no.1, pp.1240-1245

### X. An Investigation to Acquire Radiative Heat Transfer Coefficients in a Radiant Ceiling Cooling Application

Açıkğöz Ö., Celen A., Dalkılıç A. S.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.1-15

### XI. AN EXAMINATION OF FLOW BOILING OF R134A THROUGH A MULTI-MICROCHANNEL HEAT SINK

Dalkılıç A. S., Açıkğöz Ö., Wongwises S.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.1-15

### XII. An Investigation to Determine Heat Transfer Characteristics of R134a Used In Smooth and Microfin Pipes

Celen A., Dalkılıç A. S., Açıkgöz Ö.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.1-15

- XIII. **Validation of domestic radiators' thermal capacity with a numerical software**  
Dalkılıç A. S., Açıkgöz Ö., Ekici E., Wongwises S.  
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017, İstanbul, Turkey, 4 - 06 January 2017, pp.1-15
- XIV. **Investigation and generalization of convective heat transfer in different room geometries**  
Açıkgöz Ö., Dalkılıç A. S., Wongwises S.  
Conference on Mechanical and Production Engineering, Chon-Buri, Thailand, 13 - 14 July 2016, pp.1-15
- XV. **Determination of R134a s convective heat transfer coefficient in horizontal evaporators having smooth and corrugated tubes**  
Dalkılıç A. S., Açıkgöz Ö., Tapan Ş., Wongwises S.  
International Conference on Mechanical and Production Engineering, Chon-Buri, Thailand, 13 - 14 May 2016
- XVI. **Experimental apparatus design for study of pool boiling heat transfer characteristics of Al2O3 water nanofluids on a horizontal cylindrical heating surface**  
Dalkılıç A. S., Açıkgöz Ö.  
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XVII. **A numerical investigation on the convective heat transfer coefficient in radiant ceiling cooling systems**  
Açıkgöz Ö., Dalkılıç A. S.  
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XVIII. **New approach on the determination of the total heat transfer coefficient in radiant wall heating systems**  
Açıkgöz Ö., Dalkılıç A. S.  
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XIX. **Experimental apparatus design for study of heat transfer and flow characteristics of water flowing through internally grooved tubes**  
Dalkılıç A. S., Açıkgöz Ö.  
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.1-15
- XX. **Fundamental Basis and Implementation of Shell and Tube Heat Exchanger Project Design: Condenser Study**  
Açıkgöz Ö., Dalkılıç A. S.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015, İstanbul, Turkey, 23 - 25 December 2015, pp.1059-1066
- XXI. **COMPUTATIONAL INVESTIGATION OVER CONVECTIVE HEAT TRANSFER IN RADIANT HEATED LIVING PLACES**  
Açıkgöz Ö., Dalkılıç A. S.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015, İstanbul, Turkey, 23 - 25 December 2015, pp.1055-1058
- XXII. **The investigation of convective heat transfer in different room geometries by means of numerical solution techniques**  
AÇIKGÖZ Ö., DALKILIÇ A. S., Kincay O., Wongwises S.  
Energy Technologies Conference (ENTECH14), 22 - 24 December 2014
- XXIII. **Determination of the Effect of Wall Heating Systems on Convective Heat Transfer Coefficient in Buildings**  
AÇIKGÖZ Ö., Kincay O., Utlü Z.  
International Conference on Advanced Material and Manufacturing Science (ICAMMS 2012), Beijing, China, 20 - 21 December 2012, pp.1630-1631
- XXIV. **Support of solar energy on hybrid system**  
Açıkgöz Ö., Akbulut U., Ağustos H.



## Supported Projects

- DALKILIÇ A. S., GÖNÜL A., CELEN A., AKYOL E., KIRBOĞA OKUMUŞ S., WONGWİSES S., Akgül D., MERCAN H., AÇIKGÖZ Ö., KAYACI N., et al., Project Supported by Higher Education Institutions, Tek ve İki Fazlı Akışlarda Üç Borulu Isı Değiştiricilerinde Isı Transferi Karakteristiklerinin Deneysel Olarak Araştırılması, 2021 - 2023
- DALKILIÇ A. S., KIRKAR Ş. M., KOYUN A., AÇIKGÖZ Ö., AKYOL E., KIRBOĞA OKUMUŞ S., Önal B. S., Akgül D., WONGWİSES S., CELEN A., Project Supported by Higher Education Institutions, İki Fazlı Akışlarda İyileştirilmiş Düz ve Helezon Borularda Isı Transferi Katsayısı ve Basınç Düşümünün Deneysel Araştırılması, 2019 - 2023
- ÖZKAYA B., AÇIKGÖZ Ö., BALIK D., DALKILIÇ A. S., BİLGİLİ M. S., KAVANOZ S., ACAR VURAL R., TOPUZOĞULLARI M., KAYA İ., ŞEHİTOĞLU Y., et al., Project Supported by Higher Education Institutions, Yayıncısı Yıldız Teknik Üniversitesi olan akademik dergilerimiz için iyileştirilmiş güncel ve sürdürülebilir bir yapılanma sağlanarak dergilerin etkinliğinin ve Üniversitemizin tanınırlığının artırılması, 2021 - 2022
- AÇIKGÖZ Ö., CAMCI M., DALKILIÇ A. S., KARAKOYUN Y., Project Supported by Higher Education Institutions, Radyant Yüzeyle Isıtma Sistemlerinde Havalandırmanın Isı Geçişi Karakteristiklerine Etkisinin İncelenmesi, 2019 - 2021
- Açıköz Ö., Dalkılıç A. S., Karakoyun Y., Camcı M., Project Supported by Higher Education Institutions, Radyant Yüzeyle Isıtma Sistemlerinde Havalandırmanın Isı Geçişi Karakteristiklerine Etkisinin İncelenmesi, 2019 - 2021
- Açıköz Ö., Celen A., Dalkılıç A. S., Bilge Z. D., Project Supported by Higher Education Institutions, Nano Soğutucu Akışkanlı Buhar Sıkıştırma Soğutma Çevriminin Performansının Deneysel Olarak İncelenmesi, 2015 - 2018
- TEMİR G., DALKILIÇ A. S., KARAKOYUN Y., AKDOĞAN EKER A., AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O., Project Supported by Higher Education Institutions, Nano akışkanlarla radyant döşemeden ısıtmanın konveksiyon ve radyasyon açısından incelenmesi, 2015 - 2018
- Kıncay O., Açıköz Ö., Keyf S., Yumurtacı Z., Project Supported by Higher Education Institutions, Rüzgar Enerjisi, Güneş Enerjisi, Toprak Kaynaklı Dikey Tip Isı Pompası, Isıl Enerji Depolama Sistem Bileşenleri ile Isıtma, Soğutma ve Aydınlatma Amaçlı Oluşturulacak Birleşik Yenilenebilir Enerji Sisteminin Modelleme ve Analizlerinin Gerçekleştirilmesi,, 2007 - 2011

## Activities in Scientific Journals

Journal of Thermal Engineering, Editor, 2015 - Continues

## Memberships / Tasks in Scientific Organizations

TMMOB Makine Mühendisleri Odası, Member, 2005 - Continues

## Peer Reviews in Scientific Publications

- Journal of Thermal Analysis and Calorimetry, Journal Indexed in SCI-E, December 2023
- ENERGY AND BUILDINGS, Journal Indexed in SCI-E, November 2022
- NUMERICAL HEAT TRANSFER; PART A: APPLICATIONS, Journal Indexed in SCI-E, October 2022
- APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, September 2019
- Applied Thermal Engineering, Journal Indexed in SCI-E, June 2019
- Journal of Thermal Engineering, Journal Indexed in ESCI, November 2018
- BUILDING AND ENVIRONMENT, SCI Journal, August 2018
- Journal of Thermal Engineering, Journal Indexed in ESCI, September 2016
- ENERGY, SCI Journal, August 2016
- APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, August 2016

ENERGY CONVERSION AND MANAGEMENT, SCI Journal, July 2016  
Journal of Thermal Engineering, Journal Indexed in ESCI, February 2016  
Energy And Buildings, Journal Indexed in SCI-E, October 2014  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, September 2014  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, April 2014  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, July 2013  
ENERGY AND BUILDINGS, Journal Indexed in SCI-E, May 2012

## **Scientific Project Refereeing**

Project Supported by Higher Education Institutions, BAP Research Project, May 2024

## **Mobility Activity**

Erasmus Programme, Lecturing, Université Pascal Paoli: Corse, France, 2023 - 2023

## **Metrics**

Publication: 71  
Citation (WoS): 304  
Citation (Scopus): 596  
H-Index (WoS): 10  
H-Index (Scopus): 13

## **Congress and Symposium Activities**

2nd International Conference on Mechanical and Aeronautical Engineering, Working Group, Thanyaburi, Thailand, 2016  
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016, Working Group, İstanbul, Turkey, 2016  
International Conference on Energy Systems, Working Group, İstanbul, Turkey, 2015  
Energy Technologies Conference (ENTECH 14), Working Group, İstanbul, Turkey, 2014  
11th International Conference on Sustainable Energy Technologies (SET-2012), Working Group, Vancouver, Canada, 2012  
Uluslararası Katılımlı Nükleer ve Alternatif Enerji Kaynakları TÜBAV Konferansı, NUYEK-2009, Working Group, Ankara, Turkey, 2009  
ECOS 2008, Working Group, Krakow, Poland, 2008  
Ulusal İklimlendirme Kongresi, Working Group, Antalya, Turkey, 2007

## **Awards**

Açıköz Ö., Tübitak Yayın Teşvik Ödülü, Tübitak, March 2016  
Açıköz Ö., Tübitak Yayın Teşvik Ödülü, Tübitak, March 2016  
Açıköz Ö., YAYIN TEŞVİK ÖDÜLÜ, Tübitak, August 2015